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<u>Abstract</u>

A system for management and control of multimedia communications resources comprising a communications pathway, an originating multimedia computing device coupled to the communications pathway with desired quality of service requirements, one or more destination multimedia computing devices coupled to the communications pathway, one or more quality of service management components coupled to the communications pathway, wherein the quality of service management components determines communications pathway resource availability for multimedia communications with the desired quality of service requirements in response to a request from the originating multimedia computing device to establish communications with the destination multimedia computing devices.